

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

1-12. Canceled.

13. (Currently Amended) A cell-free composition for the modification of DNA sequence comprising:

- a. a duplex DNA containing a target sequence;
- b. an oligonucleotide which targets the DNA sequence and encodes the modification thereof;
- c. a cell-free extract of a plant cell ~~enzyme mixture comprising recombination and gene repair activities~~ and
- d. a reaction buffer.

14. (Previously Presented) The composition of claim 13, wherein said oligonucleotide comprises at least 20 and less than or equal to 200 nucleotides.

15. (Previously Presented) The composition of claim 13, wherein said oligonucleotide comprises at least 10 and less than or equal to 100 Watson-Crick nucleotide pairs.

16. (Previously Presented) The composition of claim 13, wherein said oligonucleotide comprises a single 3' end and a single 5' end.

17. (Currently Amended) The composition of claim 13, wherein said duplex DNA sequence is a portion of a ~~gene of interest~~ gene of interest that is operably linked to a promoter, so that said ~~gene of interest~~ gene of interest can be expressed in a host organism.

18-28. Canceled.

29. (Currently Amended) The composition of claim 13, wherein said oligonucleotide is a ~~duplex mutational vector comprising~~ comprises a contiguous single-stranded self-complementary oligonucleotide having a 3' end and a 5' end, wherein said 3' end and said 5' end are juxtaposed and wherein at least five contiguous nucleotides are Watson-Crick base paired, the sequence of said oligonucleotide comprising a template for said modified DNA sequence.

30. (New) The composition of claim 29, wherein said duplex DNA sequence is a portion of a gene of interest that is operably linked to a promoter, so that said gene of interest can be expressed in a host organism.

31. (New) The composition of claim 30, wherein said duplex DNA sequence is a plasmid.

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32. (New) The composition of claim 17, wherein said duplex DNA sequence is a plasmid.